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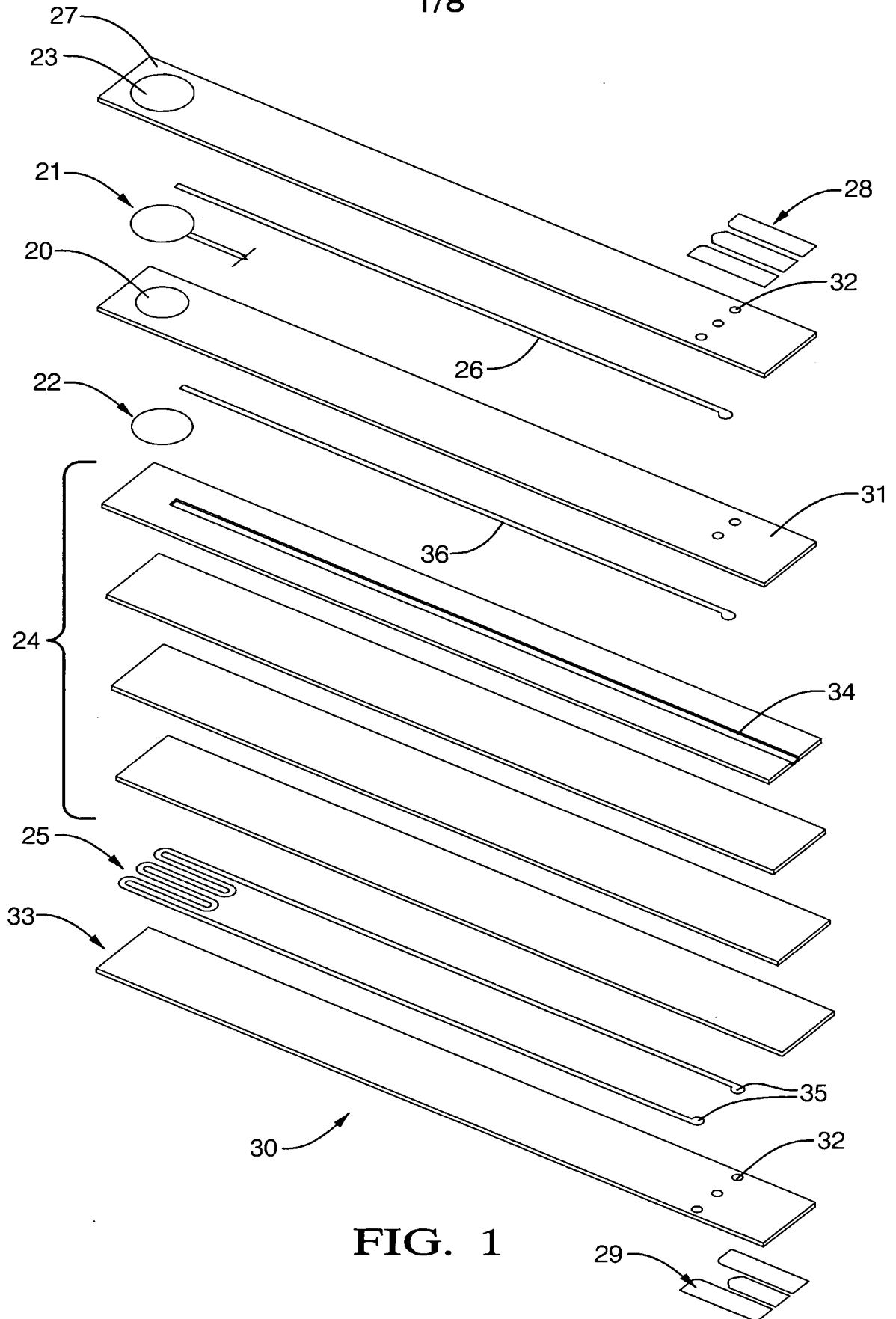


FIG. 1

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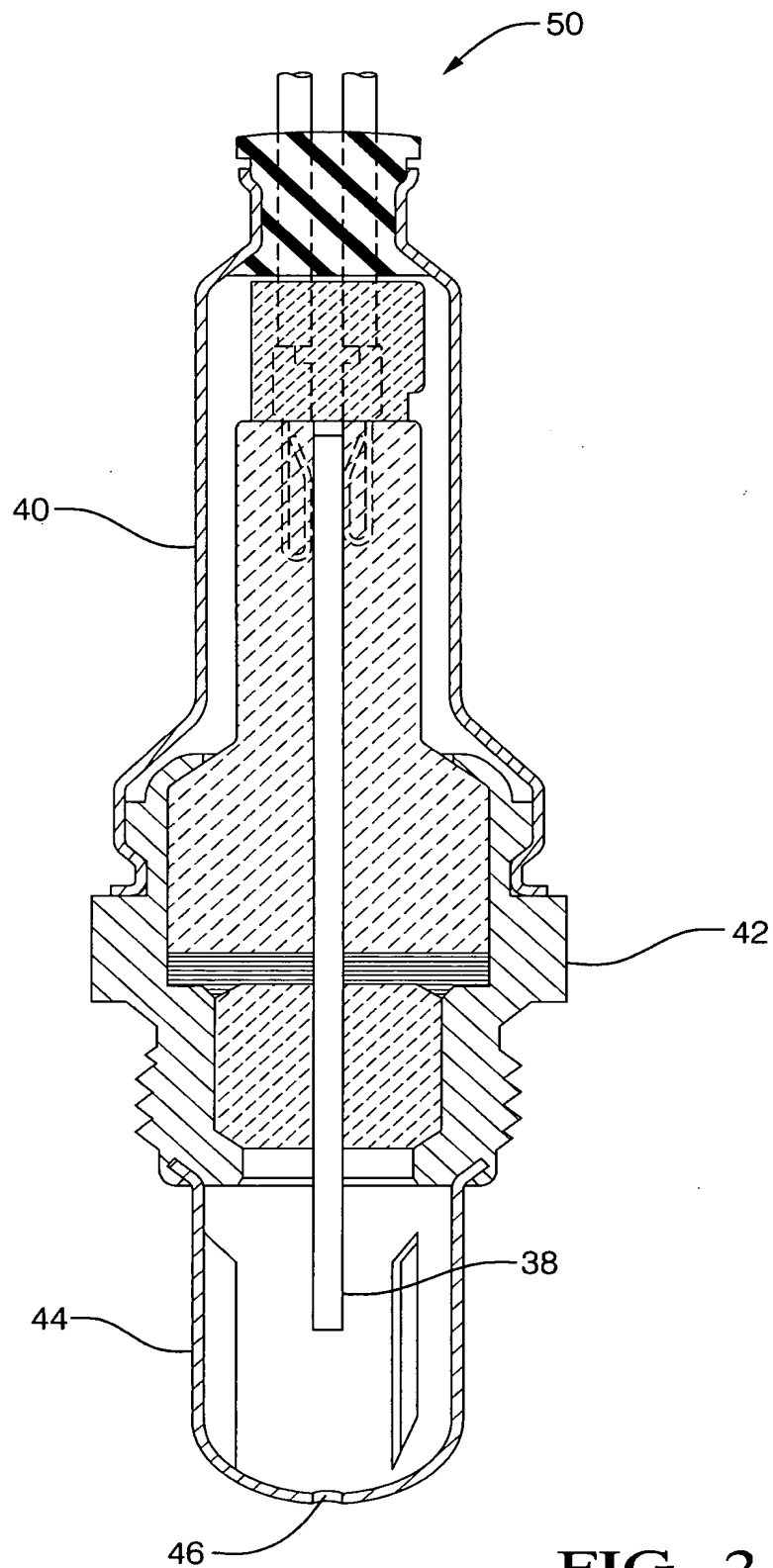
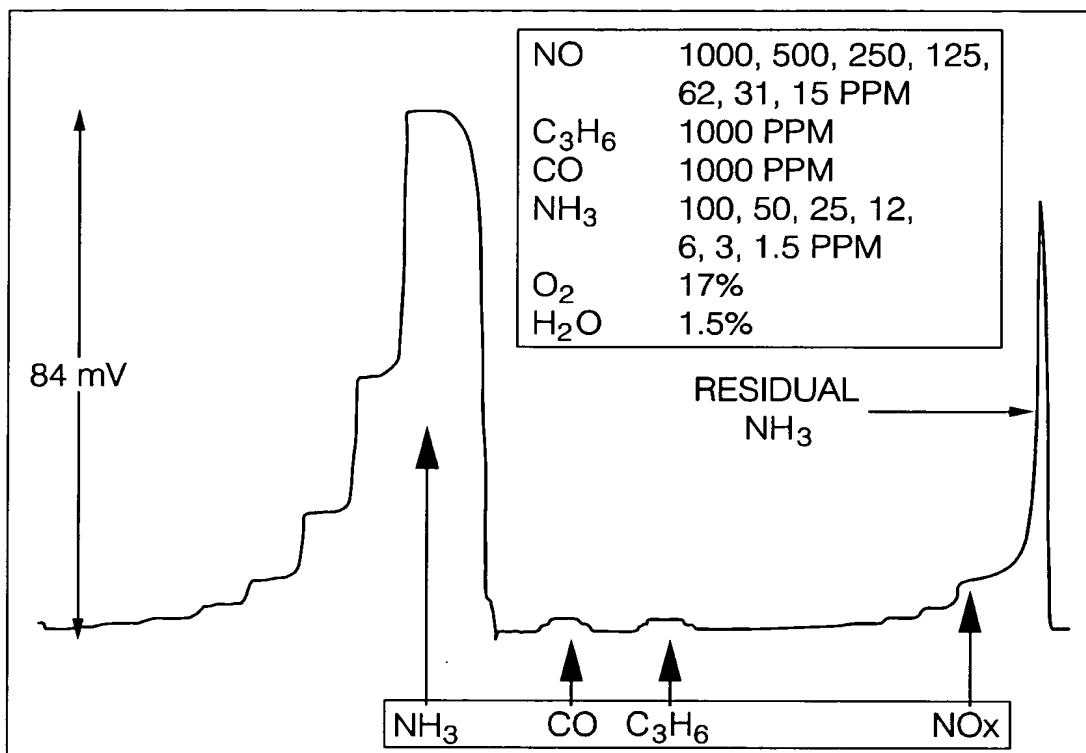
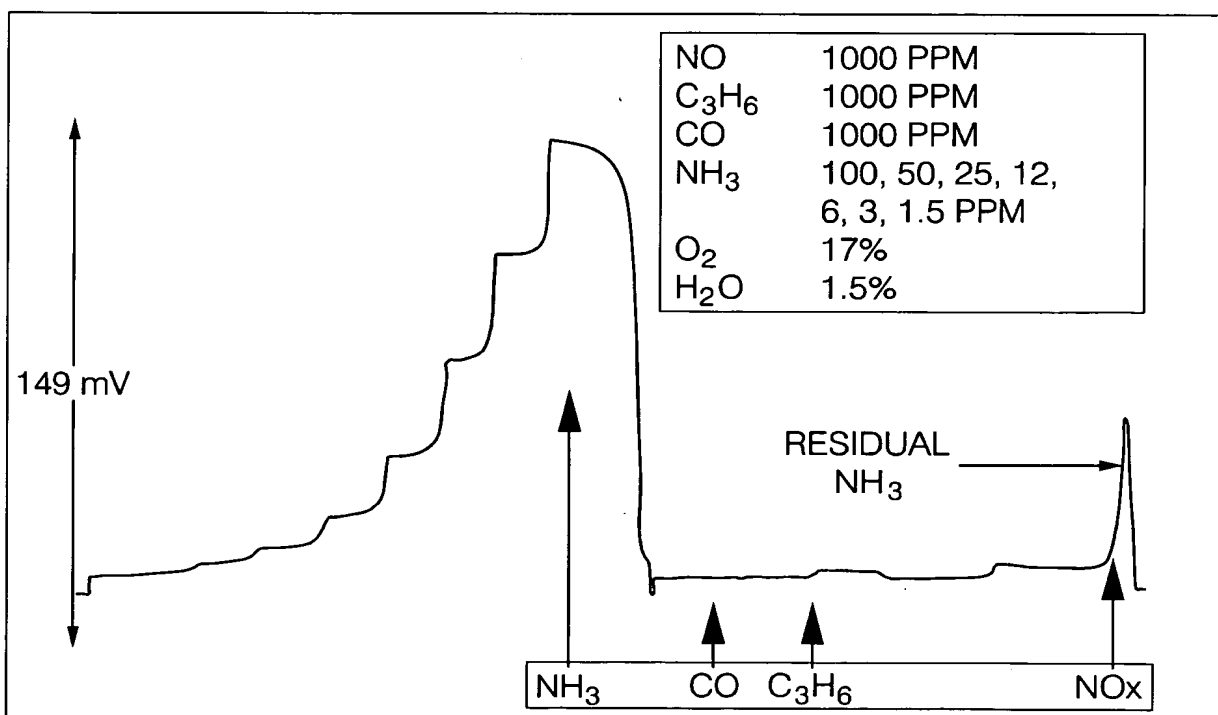


FIG. 2

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**FIG. 3**



**FIG. 4**

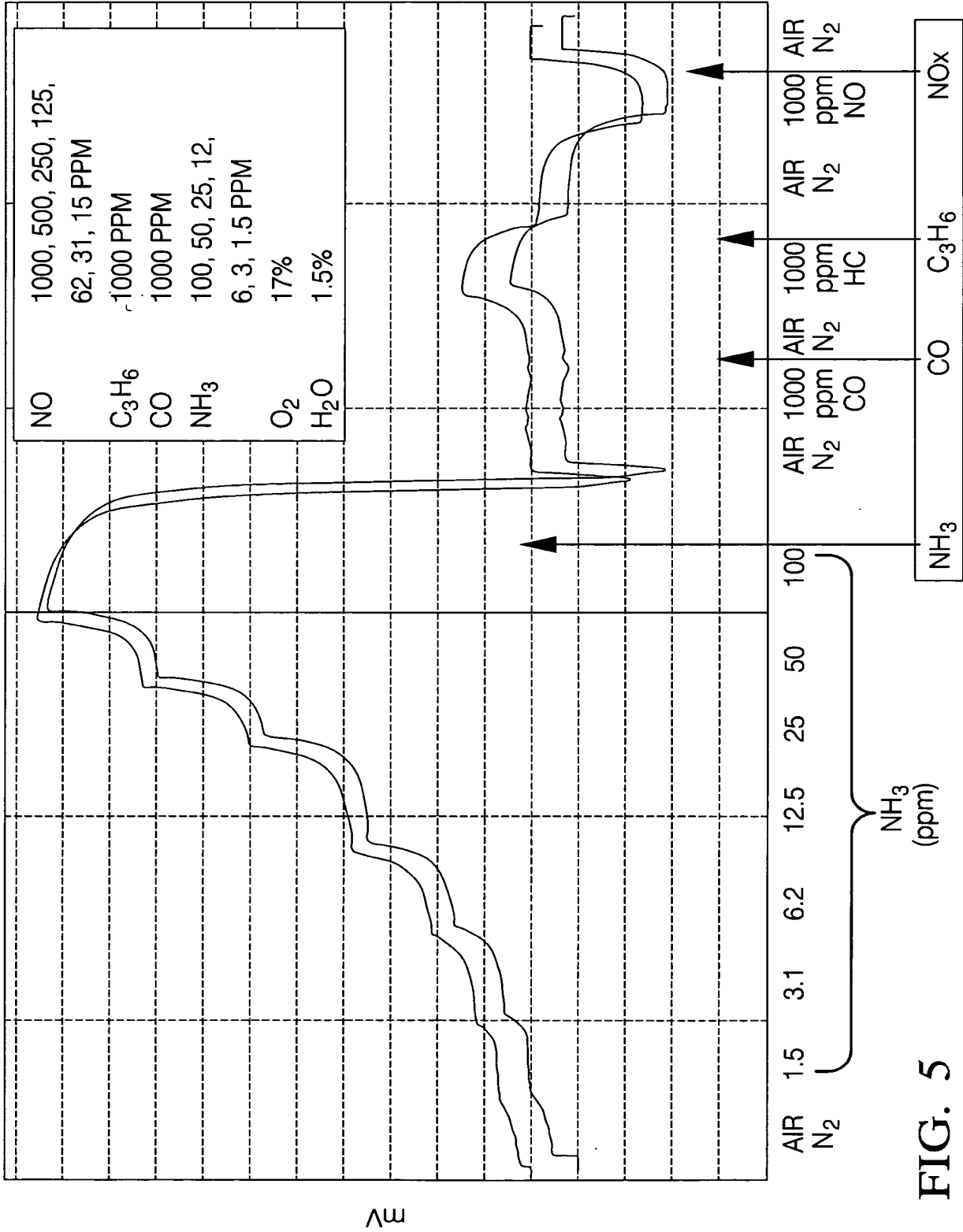


FIG. 5

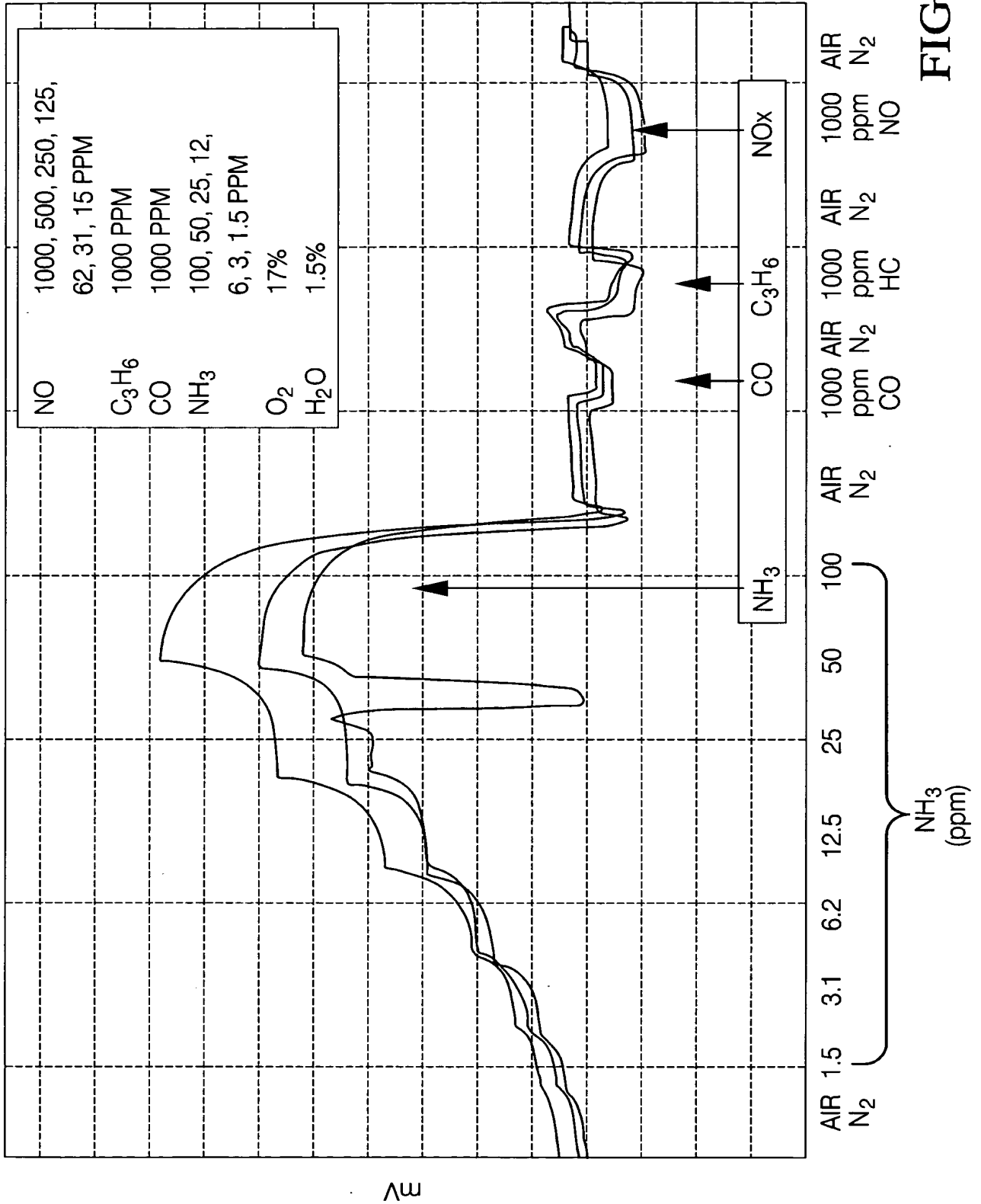


FIG. 6

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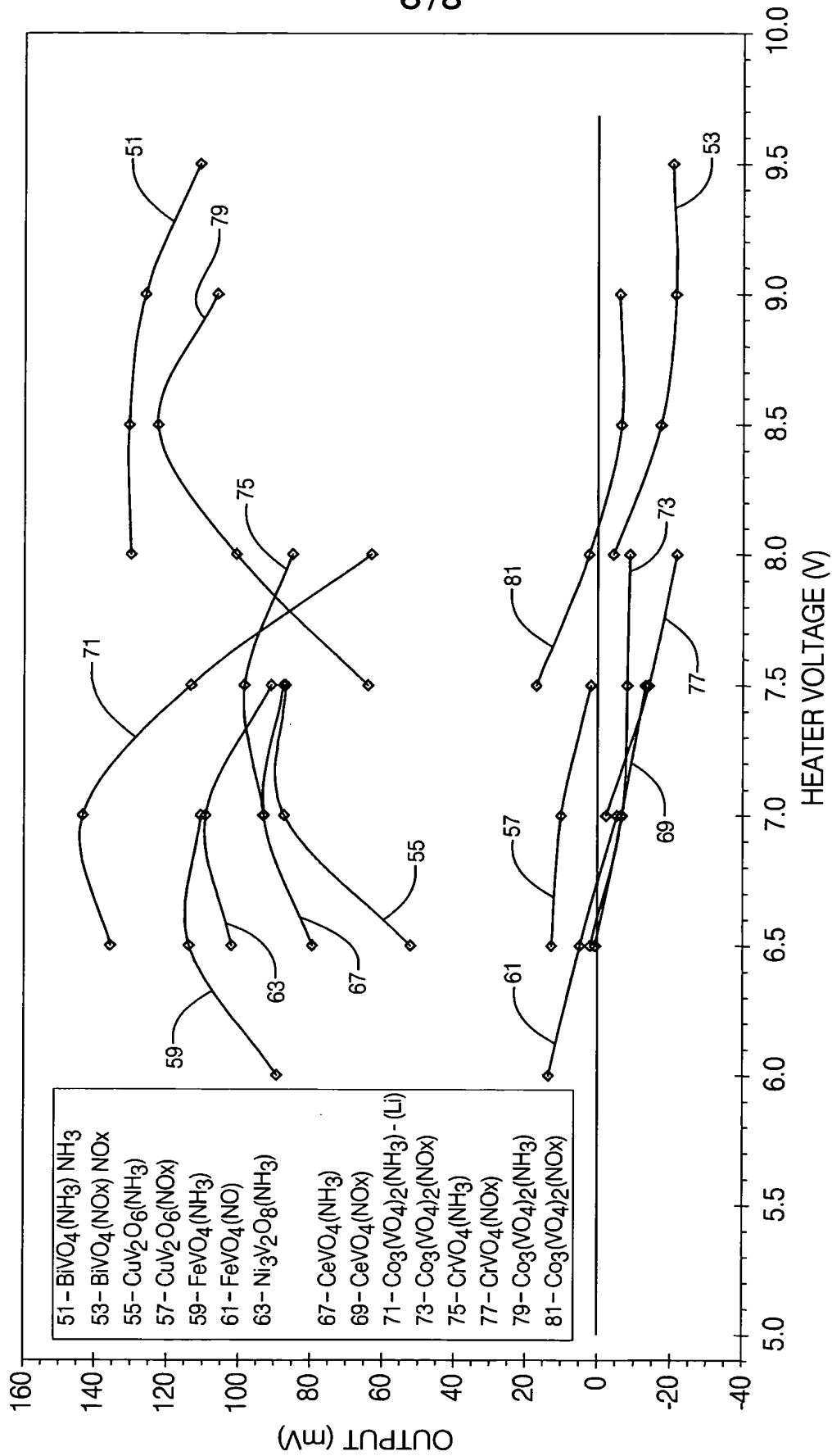


FIG. 7

51-BiVO <sub>4</sub> (NH <sub>3</sub> )	53-BiVO <sub>4</sub> (NOx)	95-5%Ni(NH <sub>3</sub> )	103-5%Ni(NOx)	111-5%Mg	119-5%Mg	125-5%Na(NH <sub>3</sub> )
83-5%Na(NOx)	89-5%Sn(NH <sub>3</sub> )	97-5%Sn(NOx)	105-5%Pb(NH <sub>3</sub> )	113-5%Pb(NOx)	121-V <sub>2</sub> O <sub>5</sub> (NH <sub>3</sub> )	127-V <sub>2</sub> O <sub>5</sub> (NOx)
85-5%Co(Li)(NH <sub>3</sub> )	91-5%Co(Li)(NOx)	99-5%Ce(NH <sub>3</sub> )	107-5%Ce(NOx)	115-5%La(NH <sub>3</sub> )	123-5%La(NOx)	129-5%Zr(NH <sub>3</sub> )
87-5%Zr(NOx)	93-5%W(NH <sub>3</sub> )	101-5%W(NOx)	109-5%Ca(NH <sub>3</sub> )	117-5%Ca(NOx)		

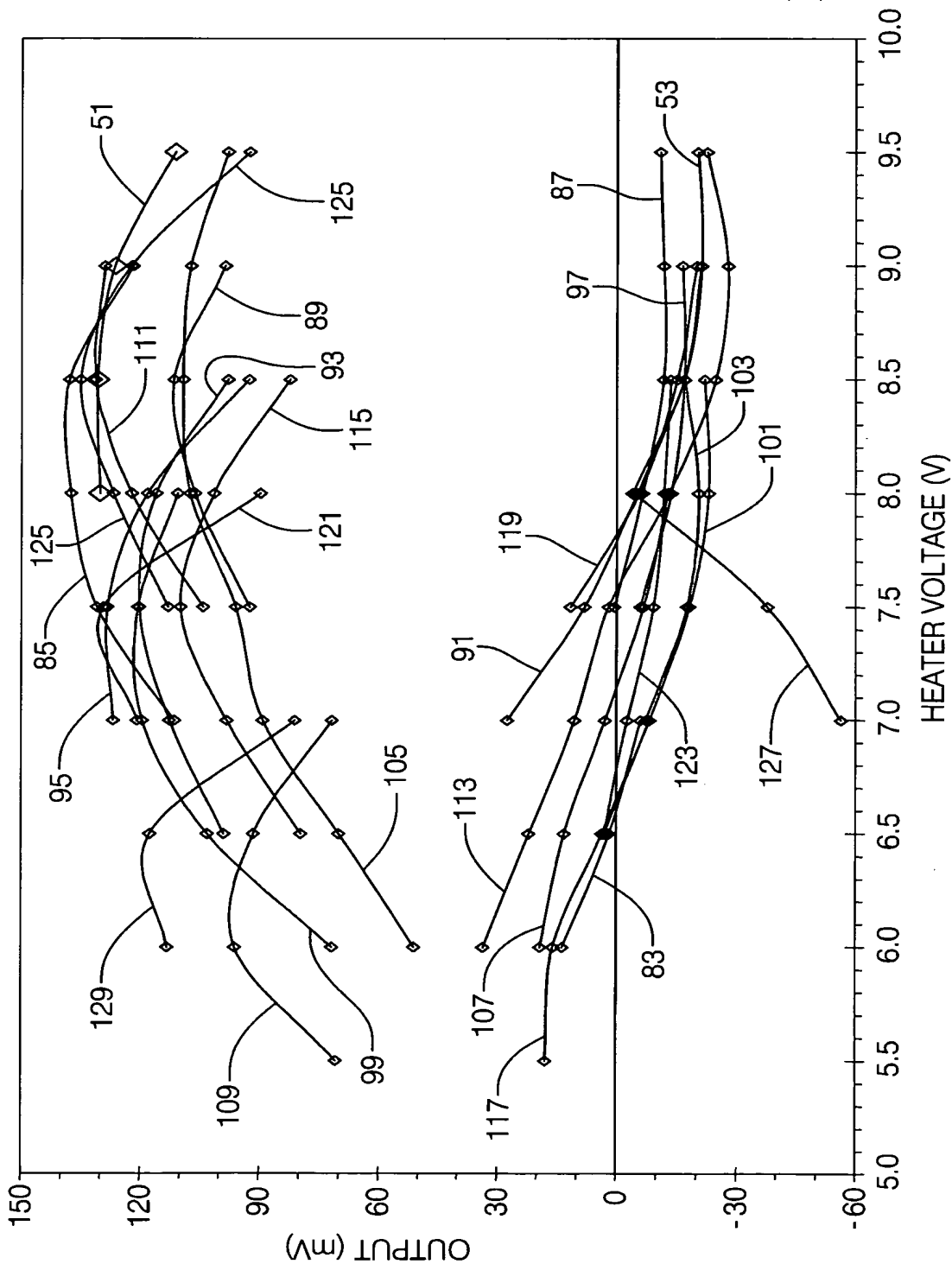


FIG. 8

#53 BiVO4 (5% Mg, 5% Ta) AFTER 570 H, 800C

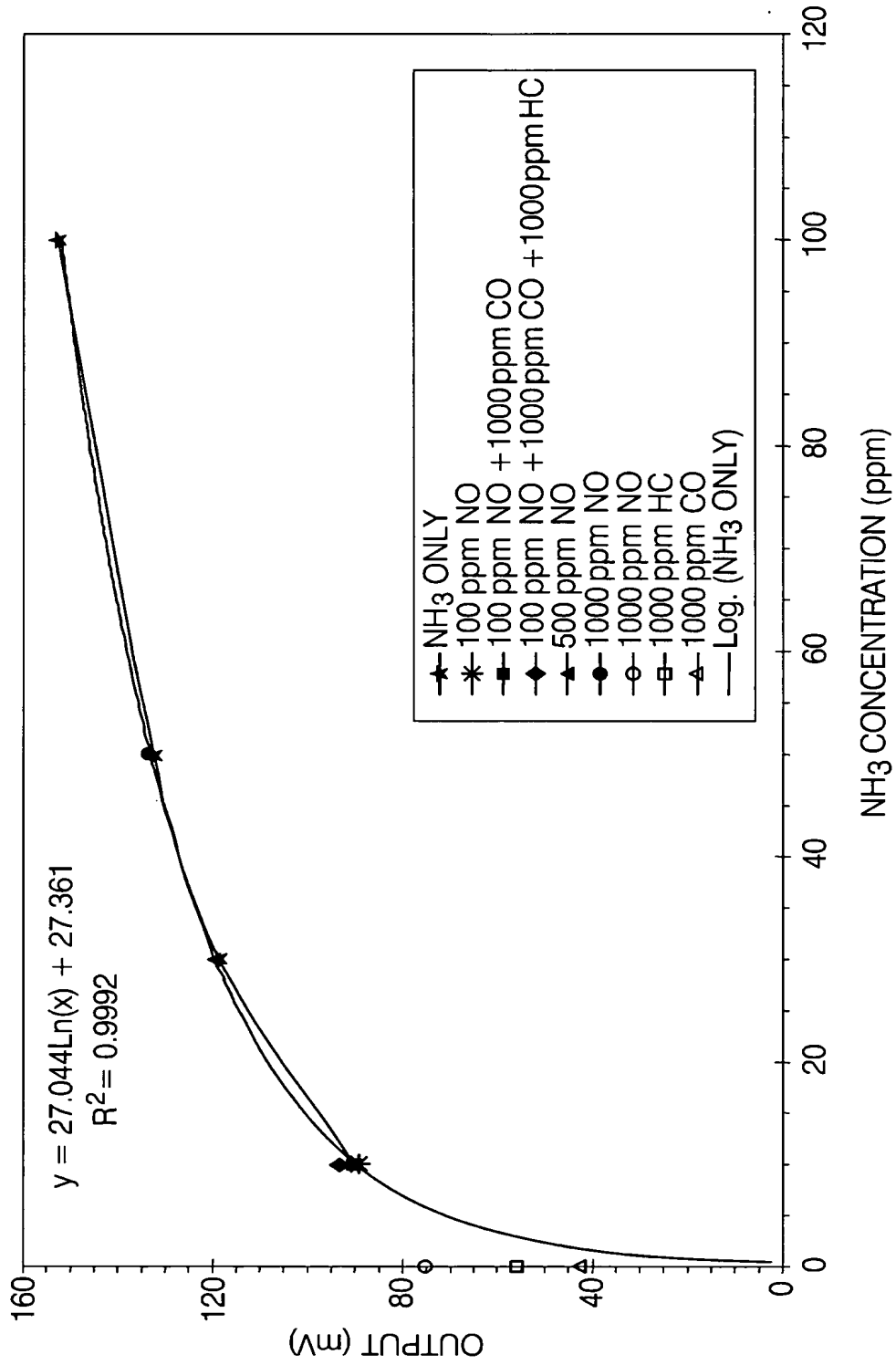


FIG. 9